

Serial No. 09/838,553
Amdt. dated: **February 23, 2005**
Reply to Office Action of November 1, 2004

Docket No. K-0242

Amendments to the Specification:

Please replace paragraph [2] with the following amended paragraph:

[2] In communications systems having geographically fixed stations and mobile stations, it is necessary to handoff the communications with the mobile station from a first fixed station to a second fixed station, as the mobile station moves farther away from the first fixed station and closer to the second fixed station. In the cellular communications context, as a mobile station travels out of a first cell and into a second cell, communications with the mobile station must be passed from a base station in the first cell to the base station in the second cell.

Please replace paragraph [28] with the following amended paragraph:

[28] Referring to Figure 1, the source base station 102 first determines the necessity of a handoff to the target base station 102. The source base station 102-104 transmits a Handoff Required message to the mobile switching center 103 on the basis of a report or a transmission of a pilot strength measurement message (PSMM) from the mobile station 101, indicating that the intensity of the pilot signal from the target station 104 satisfies handoff conditions (S10). That is, it indicates that T_ADD is larger than a critical value. Here, a number of the target base station 102 has a limited range of one or more according to support from the system.

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Please replace paragraph [31] with the following amended paragraph:

[31] The mobile switching terminal, upon receiving the Handoff Request Ack message, prepares to switch the call from the source base station 102 to the target base station 104, and transmits a Handoff Command message from the ~~target base station - mobile switching center~~ 103 to the source base station 102 (S14). The transmitted Handoff Command message preferably includes channel information about the radio source received from the target base station ~~103~~104.

Please replace paragraph [33] with the following amended paragraph:

[33] In turn, the mobile station ~~102~~101, after transmitting the MS Ack Order message, transmits a Reverse Traffic Channel Frame or a Preamble to the target base station 104 (S18). The mobile station 101 also transmits a Handoff Completion message to the target base station 104 simultaneously with the Reverse Traffic Channel Frame (S19).